

# SciMatCo

## Stak-a-Cab®

### Installation and Maintenance Instructions

Please unpack these cabinets carefully. If any damage is evident, immediately notify the delivering freight carrier and the supplier of your SciMatCo Stak-a-Cab®.

You have just purchased the finest cabinet designed solely for the safe storage of hazardous chemicals. Please read the manual thoroughly before using this product. Only store chemicals in the compartments which are designed to hold these chemicals. Please keep this manual on hand for future reference.

**Caution:** Always use eye, face, hand, and body protection when using this cabinet.

#### I. Unpacking the Cabinets

The best method of unpacking the cabinets is as follows.

- A) Remove staples, tape and banding material from the top and bottom of the carton.
- B) Open the top of the box and remove the four (4) packing corners. Gently lift the carton off the product.
- C) Move the cabinet to its appropriate location. Make sure the surface on which you would like to set the cabinet can support the weight of the cabinet and its contents.

If you are planning on stacking Stak-a-Cab® Cabinets, please refer to the section dealing with stacking the Stak-a-Cab® cabinets.

**Caution:** Do not locate your cabinet near open flame, spark or heat or any source of ignition.

#### II. Assembly

Your Stak-a-Cabs® come fully assembled so no assembly is needed. Please refer to the stacking of Stak-a-Cab® cabinets if you wish to stack your cabinets.

**Warning:** Always close and secure cabinet doors after removing your chemicals.

#### III. Maintenance

##### Acid, Base or Corrosives Storage Compartment

Your SciMatCo Stak-a-Cab® cabinet is constructed of 1" thick, high density plywood, painted with several coats of a lacquer paint and then painted with three (3) coats of clear epoxy. This cabinet was designed to give you years of trouble free service with minimal maintenance.

**Caution:** Always use eye, face, hand and body protection when cleaning this cabinet.

The inside of the acid cabinet should occasionally be wiped off using a weak solution of sodium phosphate tribasic. Sodium phosphate cleaner can be found at the hardware store. The ratio is 45 grams of sodium phosphate tribasic to one gallon of water.

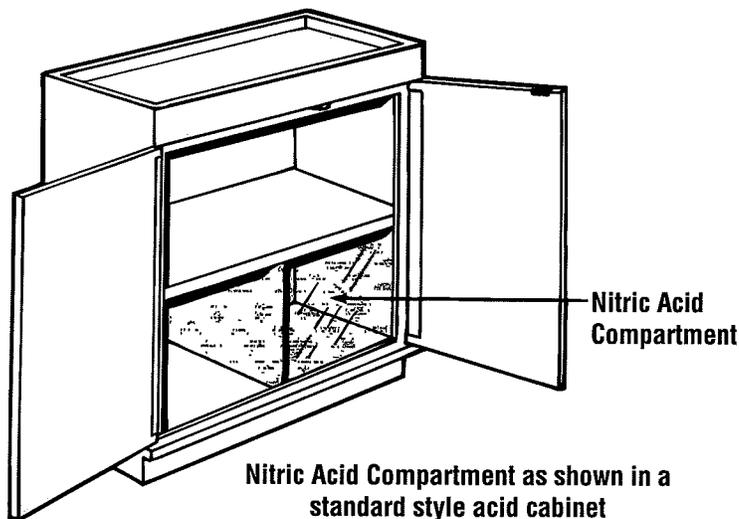
The cabinets should also be completely emptied three (3) times a year and cleaned thoroughly using this solution. Remember, the greatest stress is placed on the cabinet during the hot summer months. Acid bottles are designed to vent and will vent excessively during periods of high temperatures. Keep this in mind when planning your cleaning schedule. Having a good cleaning program and following it will assure you that you will get many years of service out of your cabinet.

Any scratches in the painted surface of the cabinet should be repainted at once. You can order an epoxy touch up paint kit from us. Please refer to the replacement parts list at the end of this manual for the appropriate catalog number.

The wooden hinges, on your acid compartments, is designed for long life, however, they may occasionally squeak. If this occurs, a lubricant, such as a petroleum spray can be used on the hinges to relieve this problem.

**Danger:** Do not store perchloric acid in this cabinet or in the company of any other chemicals. Always store perchloric acid alone. Perchloric acid forms explosive crystals, which can cause an explosion.

**Warning:** Absolutely no flammable materials should ever be stored in the acid section of the cabinet. This provision excludes all acids which may also be flammable.



## Flammables, Oxidizer or Hazardous Waste Compartment

Your flammable Stak-a-Cab® cabinet is constructed of 1" thick, high density plywood, painted with several coats of a lacquer paint and then painted with three coats of a clear epoxy. This cabinet was designed to give you years of trouble free service with minimal maintenance.

The flammable compartment should be occasionally wiped off with a wet cloth, using warm water and a common household cleaner. Any scratch in the cabinet should also be repaired immediately by touching them up with the epoxy touch up kit which is available from us.

Your flammable compartment has an all metal hinge. From time to time it may squeak. You may use a petroleum base lubricant on this door hinge to relieve this problem.

**Warning:** Absolutely no acid, base or corrosive materials should ever be stored in the flammables section of the cabinet.

## Poison Compartment

Your poison Stak-a-Cab® cabinet should be treated in the same manner as you would treat the flammables section of your cabinet. Please do not mix chemical hazards within a cabinet.

## IV. Nitric Acid Storage (Acid Compartment only)

There is an urgent need to keep the nitric acid separate from the acetic acid in your acid cabinets. The combination of these two substances has resulted in fires and in small explosions. We offer an accessory for our acid cabinets (1460 only) which has been designed especially for the storage of nitric acid. The use of this welded polypropylene container dramatically reduces the possibility of the mixtures of these two dangerous substances. For ordering information, please see the replacement parts list.

**Warning:** If you do not wish to purchase the optional Nitric Acid Compartment, please do not store the acetic and nitric acid in the same cabinet. A fire or explosion may result.

## V. Stacking Your Stak-a-Cab®

One of the features of your SciMatCo Stak-a-Cab® cabinet is they can be safely stacked up to three units high, but not to exceed 59" above the floor. You must purchase the optional floor stand to safely stack our cabinets above two high. Note, only Stak-a-Cab® cabinets can be safely stacked. Stacking other cabinets, which have not been designed for stacking, may cause injury or serious damage.

**Warning:** Corrosive chemicals should never be stored above eye level.

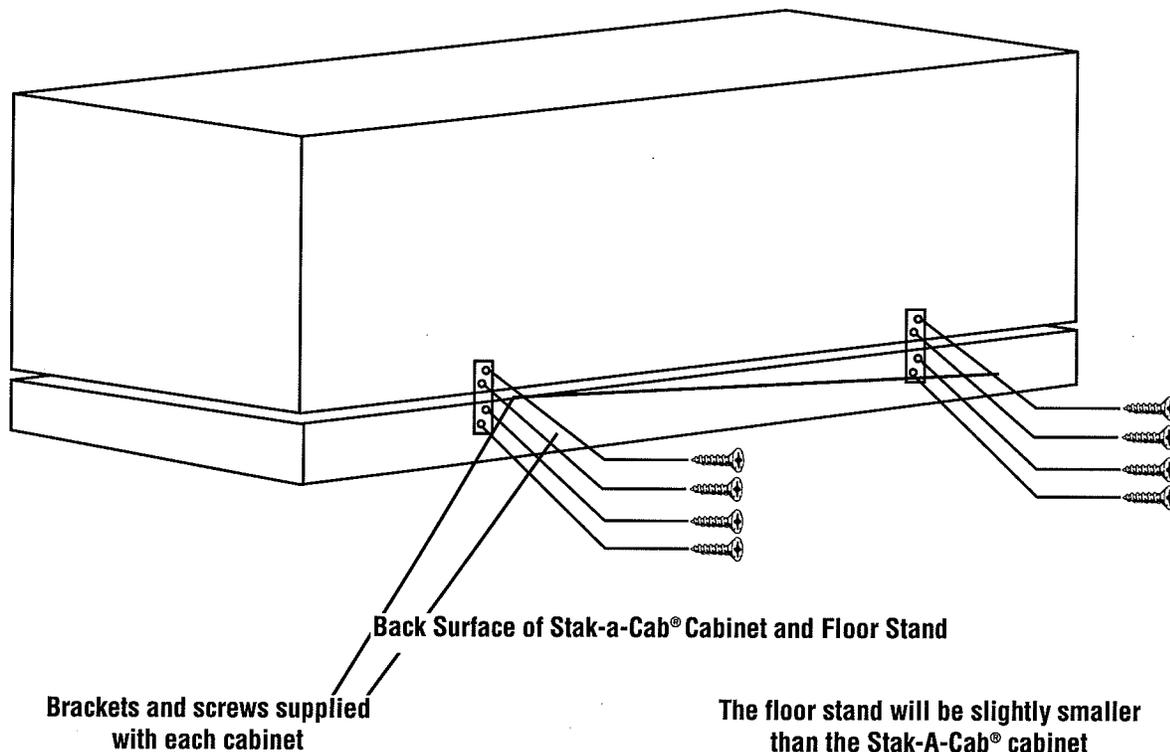
To properly stack Stak-a-Cabs® follow these simple instructions.

- A) Locate a secure, stable and safe location for your cabinets. The surface must be able to support the weight of the cabinet and its contents.

- B) Level the optional floor stand using the four individual leveling feet on the bottom of the floor stand.
- C) Place the first cabinet on top of the floor stand. Make sure the back surface of the cabinet and floor stand are flush and centered. The Stak-a-Cab® floor stand is slightly smaller than the Stak-a-Cab®. Now using the two Stak-a-Cab® brackets and the eight (8) 3/4 inch long wood screws, attach the cabinets as shown in the diagram.

Now repeat this operation attaching cabinet #1 to cabinet #2 and also cabinet #2 to cabinet #3.

Remember for safety, never stack the SciMatCo Stak-a-Cab® cabinets over three high or a maximum of 59" off the floor. In earthquake prone areas, special care should be taken to secure cabinets to a structurally sound surface.



## VI. Replacement Part List

<b>Description</b>	<b>Part No.</b>
<b>Paint Touch-up Kits</b>	
Gray	2060-1
Blue	8041-7
Yellow	7021-5
<b>Extra Keys</b>	
Padlock	8041-4
T-Handle	7021-1
<b>New Locks</b>	
Padlock	8041-5
T-Handle	7021-4
<b>Miscellaneous Parts</b>	
Brackets and Screws for stacking SciMatCo Stak-a-Cab® cabinets	2060-2

If you have any questions or need any replacement parts, please contact your supplier.

## SciMatCo Product Warranty

Scientific Materials Company warrants its products to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. This warranty excludes damage caused by abuse, misuse, accidents or the failure to provide proper maintenance.

# SciMatCo

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